



EXPRESS MAIL LABEL NO.: EV 300736990 US

PATENT APPLICATION
Docket No. 48930-01030

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Roger W. Phillips, et al.)
Application No.: 10/666,318) Art Unit
Filed: September 18, 2003)
For: PATTERNED REFLECTIVE OPTICAL)
STRUCTURES)
Examiner: Unknown)

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

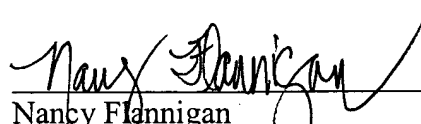
Dear Sir:

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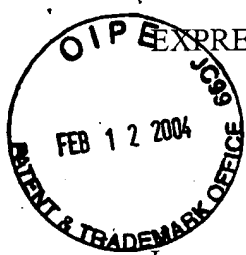
1. Information Disclosure Statement Transmittal Form (2 pgs.)
2. Information Disclosure Statement by Applicant, Form PTO/SB/08A & 08B (5 pgs.)
3. Copies of all foreign patent documents and non-patent literature
4. Return Receipt Postcard

DATED this 12th day of February, 2004.

Respectfully submitted,


Nancy Flannigan
Holme Roberts & Owen LLP
299 South Main Street, Suite 1800
Salt Lake City, Utah 84111
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2-13-04



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INFORMATION DISCLOSURE STATEMENT

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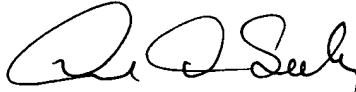
Dear Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO/SB/08A be considered by the Examiner and made of record. Copies of all foreign patent documents and non patent literature documents are enclosed. In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicants herein that no other possible material information as defined in 37 C.F.R. § 1.56(b) exists.

To the extent any additional fees are due in connection with this communication,
Applicants request that they be withdrawn from Deposit Account No. 082665.

DATED this 12th day of February, 2004.

Respectfully submitted,



David O. Seeley, Reg. No. 30,148
Customer No. 34013
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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet

1

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Complete if Known

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First Named Inventor	Roger W. Phillips, et al.
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Attorney Docket Number	48930-01030

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
	1	US-	3,011,383	12/1961	Sylvester, et al.	
	2	US-	4,756,771	07/12/88	Brodalla, et al.	
	3	US-	4,779,898	10/25/88	Berning, et al.	
	4	US-	5,002,312	3/26/91	Phillips, et al.	
	5	US-	5,009,486	04/23/91	Dobrowolski, et al.	
	6	US-	5,084,351	01/28/92	Phillips, et al.	
	7	US-	5,171,363	12/15/92	Phillips, et al.	
	8	US-	5,364,467	11/15/94	Schmid, et al.	
	9	US-	5,648,165	07/15/97	Phillips, et al.	
	10	US-	5,650,248	07/22/97	Miekka, et al.	
	11	US-	5,763,086	06/09/98	Schmid, et al.	
	12	US-	5,858,078	01/12/99	Andes, et al.	
	13	US-	5,912,767	06/15/99	Lee	
	14	US-	5,989,626	11/23/99	Coombs, et al.	
	15	US-	6,013,370	01/11/00	Coulter, et al.	
	16	US-	6,045,230	04/04/00	Dreyer, et al.	
	17	US-	6,068,691	05/30/00	Miekka, et al.	
	18	US-	6,112,388	09/05/00	Kimoto, et al.	
	19	US-	6,168,100 B1	01/02/01	Kato, et al.	
	20	US	6,241,858 B1	06/05/01	Phillips, et al.	

FOREIGN PATENT DOCUMENTS

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	21	DE 43 43 387	06/25/95			<input type="checkbox"/>
	22	EP 0 756 945	02/05/97			<input type="checkbox"/>
	23	WO 00/08596	02/17/00			<input type="checkbox"/>
	24	WO 98/12583	03/26/98			<input type="checkbox"/>
						<input type="checkbox"/>
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	25	US-	4,066,280	01/03/78	LaCapria	
	26	US-	4,126,373	11/21/78	Moraw	
	27	US-	4,155,627	05/22/79	Gale, et al.	
	28	US-	4,168,983	09/25/79	Vittands, et al.	
	29	US-	4,930,866	06/05/90	Berning, et al.	
	30	US-	5,009,486	04/23/91	Dobrowolski, et al.	
	31	US-	5,106,125	04/21/92	Antes	
	32	US-	5,214,530	05/25/93	Coombs, et al.	
	33	US-	5,254,390	10/1993	Shih-Lai Lu	
	34	US-	5,339,737	08/23/94	Lewis, et al.	
	35	US	5,464,710	11/07/95	Yang	
	36	US-	5,549,953	08/1996	Li Li	
	37	US-	5,591,527	01/1997	Shih-Lai Lu	
	38	US-	5,700,550	12/23/97	Uyama, et al.	
	39	US-	5,856,048	01/1999	Tahara, et al.	
	40	US-	6,031,457	02/29/00	Bonkowski, et al.	
	41	US-	6,150,022	11/2000	Coulter, et al.	
	42	US-	6,157,489	12/05/00	Bradley, Jr., et al.	
	43	US-	6,242,510 B1	06/05/01	Killey	
	44	US-	6,243,204 B1	06/05/01	Bradley, Jr., et al.	

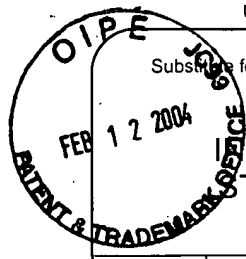
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Sheet 3 of 5

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	45	US-	Re.35,512	05/20/97	Nowak, et al.	
	46	US-	4,168,983	09/25/79	Vittands, et al.	
	47	US-	4,434,010	02/28/84	Ash	
	48	US-	4,705,300	11/10/87	Berning, et al.	
	49	US-	4,705,356	11/10/87	Berning, et al.	
	50	US-	4,721,217	01/26/88	Phillips, et al.	
	51	US-	4,838,648	06/13/89	Phillips, et al.	
	52	US-	5,059,245	10/22/91	Phillips, et al.	
	53	US-	5,084,351	01/28/92	Phillips, et al.	
	54	US-	5,135,812	08/04/92	Phillips, et al.	
	55	US	5,171,363	12/15/92	Phillips, et al.	
	56	US-	5,278,590	01/11/94	Phillips, et al.	
	57	US-	5,279,657	01/18/94	Phillips, et al.	
	58	US-	5,549,774	08/27/96	Miekka, et al.	
	59	US-	5,571,624	11/05/96	Phillips, et al.	
	60	US-	5,624,076	04/29/97	Miekka, et al.	
	61	US-	5,629,068	05/13/97	Miekka, et al.	
	62	US-	5,672,410	09/30/97	Miekka, et al.	
	63	US-	US 2003/0087070	05/08/03	Souparis	
		US-				

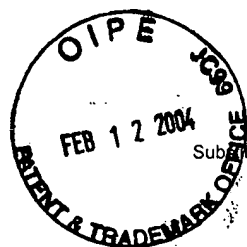
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Sheet 4 of 5

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
	64	John M. McKiernan, et al., "Luminescence and Laser Action of Coumarin Dyes Doped in Silicate and Aluminosilicate Glasses Prepared by the Sol-Gel Technique," Journal of Inorganic and Organometallic Polymers, Vol. 1, No. 1, 1991, pages 87-103.	
	65	Jeffery I. Zink, et al., "Optical Probes and Properties of Aluminosilicate Glasses Prepared By The Sol-Gel Method," Polym. Mater. Sci. Eng., pages 204-208 (1989).	
	66	Don W. Tomkins, Kurz Hastings, "Transparent Overlays for Security Printing and Plastic ID Cards," Pages 1-8, November, 1997.	
	67	The Mearl Corporation brochure for "Mearl Iridescent Film," Peekskill, NY.	
	68	J.A. Dobrowolski; K.M. Baird; P.D. Carman; and A. Waldorf, "Optical Interference Coatings for Inhibiting of Counterfeiting," Optica Acta, 1973, Vol. 20, No. 12, 925-937.	
	69	The R.D. Mathis Company Manual for "Thin Film Evaporation Source Reference," Long Beach, CA.	
	70	Minolta Manual for "Precise Color Communication, Color Control From Feeling to Instrumentation," Pages 18, 20, 22, 23, 46, 47, 48 and 49.	
	71	Frans Defilet, LGZ Landis & Gyr Zug Corporation, "Kinegrams 'Optical Variable Devices' (OVD's) For Banknotes, Security Documents and Plastic Cards," San Diego, April 1-3, 1987	
	72	S.P. McGrew, "Hologram Counterfeiting: Problems and Solutions," SPIE, Volume 1210 Optical Security and Anticounterfeiting Systems, 1990, Pages 66-76.	
	73	Rudolf L. van Renesse, "Security Design of Valuable Documents and Products," SPIE, Vol. 2659, June 1996, Pages 10-20.	
	74	Steve McGrew, "Countermeasures Against Hologram Counterfeiting," Internet site www.iea.com/nli/publications/countermeasures.htm , January 6, 2000.	
	75	Roger W. Phillips, "Optically Variable Films, Pigments, and Inks," SPIE Vol. 1323, Optical Thin Films III: New Developments, 1990, Pages 98-109.	
	76	Roger W. Phillips, and Anton F. Bleikolm, "Optical Coatings for Document Security," Applied Optics, Vol. 35, No. 28, October 1, 1996, Pages 5529-5534.	

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Sheet **5** of **5**PTO/SB/08B (08-03)
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	77	J.A. Dobrowolski; F.C. Ho; and A. Waldorf, 'Research on Thin Film Anticounterfeiting Coatings at the National Research Council of Canada,' Applied Optics, Vol. 28, No. 15, July 15, 1989, pages 2702-2717.	
	78	J. Rolfe, "Optically Variable Devices for Use on Bank Notes," SPIE, Vol. 1210 Optical Security and Anticounterfeiting Systems, pages 14-19, 1990.	
	79	OVD Kinegram Cor, "OVD Kinegram Management of Light to Provide Security," Internet site www.kiknegram.com/xhome/home.html , December 17, 1999.	
	80	I.M. Boswarva, et al., "Roll Coater System for the Production of Optically Variable Devices (OVD's) for Security Applications," Proceedings, 33 rd Annual Technical Conference, Society of Vacuum Coaters, pages 103-109 (1990).	

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